

## Environmental Protection Agency

## § 466.13

### § 466.11 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations for metal preparation operations and for coating operations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

#### SUBPART A—BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property                                                | Maximum for any 1 day |                   | Maximum for monthly average |                   |
|--------------------------------------------------------------------------------|-----------------------|-------------------|-----------------------------|-------------------|
|                                                                                | Metal preparation     | Coating operation | Metal preparation           | Coating operation |
| Metric units—mg/m <sup>2</sup> of area processed or coated                     |                       |                   |                             |                   |
| Chromium .....                                                                 | 16.82                 | 3.41              | 6.81                        | 1.38              |
| Lead .....                                                                     | 6.01                  | 1.21              | 5.21                        | 1.06              |
| Nickel .....                                                                   | 56.46                 | 11.43             | 40.05                       | 8.11              |
| Zinc .....                                                                     | 53.26                 | 10.78             | 22.43                       | 4.54              |
| Aluminum .....                                                                 | 182.20                | 36.87             | 74.47                       | 15.07             |
| Iron .....                                                                     | 112.12                | 22.69             | 56.06                       | 11.34             |
| Oil and grease ...                                                             | 800.84                | 162.10            | 480.51                      | 97.23             |
| TSS .....                                                                      | 1642.00               | 332.20            | 800.90                      | 162.00            |
| pH .....                                                                       | ( <sup>1</sup> )      | ( <sup>1</sup> )  | ( <sup>1</sup> )            | ( <sup>1</sup> )  |
| English Units—pounds per 1 million ft <sup>2</sup> of area processed or coated |                       |                   |                             |                   |
| Chromium .....                                                                 | 3.45                  | 0.07              | 1.40                        | 0.29              |
| Lead .....                                                                     | 1.23                  | 0.25              | 1.07                        | 0.22              |
| Nickel .....                                                                   | 11.57                 | 2.34              | 8.20                        | 1.66              |
| Zinc .....                                                                     | 10.91                 | 2.21              | 4.60                        | 0.93              |
| Aluminum .....                                                                 | 37.32                 | 7.55              | 15.26                       | 3.09              |
| Iron .....                                                                     | 22.96                 | 4.65              | 11.48                       | 2.32              |
| Oil and grease ...                                                             | 164.03                | 33.19             | 98.42                       | 19.92             |
| TSS .....                                                                      | 337.00                | 68.10             | 164.00                      | 33.20             |
| pH .....                                                                       | ( <sup>1</sup> )      | ( <sup>1</sup> )  | ( <sup>1</sup> )            | ( <sup>1</sup> )  |

<sup>1</sup> Within the range 7.5 to 10.0 at all times.

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36543, Sept. 6, 1985]

### § 466.12 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable:

#### SUBPART A—BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property                                                | Maximum for any 1 day |                   | Maximum for monthly average |                   |
|--------------------------------------------------------------------------------|-----------------------|-------------------|-----------------------------|-------------------|
|                                                                                | Metal preparation     | Coating operation | Metal preparation           | Coating operation |
| Metric units—mg/m <sup>2</sup> of area processed or coated                     |                       |                   |                             |                   |
| Chromium .....                                                                 | 16.82                 | 0.53              | 6.81                        | 0.22              |
| Lead .....                                                                     | 6.01                  | 0.19              | 5.21                        | 0.16              |
| Nickel .....                                                                   | 56.50                 | 1.78              | 40.05                       | 1.26              |
| Zinc .....                                                                     | 53.30                 | 1.68              | 22.43                       | 0.71              |
| Aluminum .....                                                                 | 182.00                | 5.74              | 74.48                       | 2.35              |
| Iron .....                                                                     | 112.12                | 3.53              | 56.06                       | 1.77              |
| English Units—pounds per 1 million ft <sup>2</sup> of area processed or coated |                       |                   |                             |                   |
| Chromium .....                                                                 | 3.45                  | 0.11              | 1.4                         | 0.05              |
| Lead .....                                                                     | 1.23                  | 0.04              | 1.07                        | 0.03              |
| Nickel .....                                                                   | 11.57                 | 0.37              | 8.20                        | 0.26              |
| Zinc .....                                                                     | 10.91                 | 0.35              | 4.60                        | 0.15              |
| Aluminum .....                                                                 | 37.32                 | 1.18              | 15.26                       | 0.48              |
| Iron .....                                                                     | 22.96                 | 0.72              | 11.48                       | 0.36              |

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36543, Sept. 6, 1985]

### § 466.13 New source performance standards.

Any new source subject to this subpart must achieve the following new source performance standards:

#### SUBPART A—NSPS

| Pollutant or pollutant property                                                | Maximum for any 1 day |                   | Maximum for monthly average |                   |
|--------------------------------------------------------------------------------|-----------------------|-------------------|-----------------------------|-------------------|
|                                                                                | Metal preparation     | Coating operation | Metal preparation           | Coating operation |
| Metric units—mg/m <sup>2</sup> of area processed or coated                     |                       |                   |                             |                   |
| Chromium .....                                                                 | 3.37                  | 0.47              | 1.5                         | 0.19              |
| Lead .....                                                                     | 1.0                   | 0.13              | 0.9                         | 0.11              |
| Nickel .....                                                                   | 12.0                  | 1.51              | 6.3                         | 0.79              |
| Zinc .....                                                                     | 10.2                  | 1.29              | 4.2                         | 0.53              |
| Aluminum .....                                                                 | 30.3                  | 3.82              | 12.4                        | 1.56              |
| Iron .....                                                                     | 28.0                  | 3.53              | 14.0                        | 1.77              |
| Oil and grease .....                                                           | 100.0                 | 12.60             | 100.0                       | 12.60             |
| TSS .....                                                                      | 150.0                 | 18.91             | 120.0                       | 15.12             |
| pH .....                                                                       | ( <sup>1</sup> )      | ( <sup>1</sup> )  | ( <sup>1</sup> )            | ( <sup>1</sup> )  |
| English units—pounds per 1 million ft <sup>2</sup> of area processed or coated |                       |                   |                             |                   |
| Chromium .....                                                                 | 0.76                  | 0.10              | 0.31                        | 0.04              |
| Lead .....                                                                     | 0.21                  | 0.03              | 0.19                        | 0.03              |
| Nickel .....                                                                   | 2.46                  | 0.31              | 1.29                        | 0.16              |
| Zinc .....                                                                     | 2.09                  | 0.27              | 0.86                        | 0.11              |
| Aluminum .....                                                                 | 6.21                  | 0.78              | 2.54                        | 0.32              |
| Iron .....                                                                     | 5.74                  | 0.72              | 2.87                        | 0.36              |
| Oil and grease .....                                                           | 20.48                 | 2.58              | 20.48                       | 2.58              |
| TSS .....                                                                      | 30.72                 | 3.87              | 24.58                       | 3.10              |
| pH .....                                                                       | ( <sup>1</sup> )      | ( <sup>1</sup> )  | ( <sup>1</sup> )            | ( <sup>1</sup> )  |

<sup>1</sup> Within the range 7.5 to 10.0 at all times.

## § 466.14

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36543, Sept. 6, 1985]

### § 466.14 Pretreatment standards for existing sources.

(a) Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for existing sources.

#### SUBPART A—PSES

| Pollutant or pollutant property                                                | Maximum for any 1 day |                   | Maximum for monthly average |                   |
|--------------------------------------------------------------------------------|-----------------------|-------------------|-----------------------------|-------------------|
|                                                                                | Metal preparation     | Coating operation | Metal preparation           | Coating operation |
| Metric units—mg/m <sup>2</sup> of area processed or coated                     |                       |                   |                             |                   |
| Chromium .....                                                                 | 3.7                   | 0.47              | 1.5                         | 0.19              |
| Lead .....                                                                     | 1.0                   | 0.13              | 0.9                         | 0.11              |
| Nickel .....                                                                   | 12.0                  | 1.51              | 6.3                         | 0.79              |
| Zinc .....                                                                     | 10.2                  | 1.29              | 4.2                         | 0.53              |
| English units—pounds per 1 million ft <sup>2</sup> of area processed or coated |                       |                   |                             |                   |
| Chromium .....                                                                 | 0.76                  | 0.10              | 0.31                        | 0.04              |
| Lead .....                                                                     | 0.2                   | 0.03              | 0.19                        | 0.002             |
| Nickel .....                                                                   | 2.46                  | 0.31              | 1.29                        | 0.16              |
| Zinc .....                                                                     | 2.09                  | 0.27              | 0.86                        | 0.11              |

(b) In cases where POTW find it necessary to impose mass effluent pretreatment standards the following equivalent mass standards are provided:

#### SUBPART A—PSES

| Pollutant or pollutant property                                         | Maximum for any 1 day |                   | Maximum for monthly average |                   |
|-------------------------------------------------------------------------|-----------------------|-------------------|-----------------------------|-------------------|
|                                                                         | Metal preparation     | Coating operation | Metal preparation           | Coating operation |
| Metric units—mg/m <sup>2</sup> of area processed or coated              |                       |                   |                             |                   |
| Chromium .....                                                          | 16.82                 | 0.53              | 6.81                        | 0.22              |
| Lead .....                                                              | 6.01                  | 0.19              | 5.21                        | 0.16              |
| Nickel .....                                                            | 56.5                  | 1.78              | 40.1                        | 1.26              |
| Zinc .....                                                              | 53.3                  | 1.68              | 22.5                        | 0.71              |
| English units—lbs/1 million ft <sup>2</sup> of area processed or coated |                       |                   |                             |                   |
| Chromium .....                                                          | 3.45                  | 0.11              | 1.4                         | 0.05              |
| Lead .....                                                              | 1.23                  | 0.04              | 1.07                        | 0.03              |
| Nickel .....                                                            | 11.6                  | 0.37              | 8.20                        | 0.26              |
| Zinc .....                                                              | 10.9                  | 0.35              | 4.6                         | 0.15              |

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36543, Sept. 6, 1985]

### § 466.15 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7 and 403.13, any new source subject to this subpart which introduces pollut-

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ants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources:

#### SUBPART A—PSNS

| Pollutant or pollutant property                                                | Maximum for any 1 day |                   | Maximum for monthly average |                   |
|--------------------------------------------------------------------------------|-----------------------|-------------------|-----------------------------|-------------------|
|                                                                                | Metal preparation     | Coating operation | Metal preparation           | Coating operation |
| Metric units—mg/m <sup>2</sup> of area processed or coated                     |                       |                   |                             |                   |
| Chromium .....                                                                 | 3.7                   | 0.47              | 1.5                         | 0.19              |
| Lead .....                                                                     | 1.0                   | 0.13              | 0.9                         | 0.11              |
| Nickel .....                                                                   | 12.0                  | 1.51              | 6.3                         | 0.79              |
| Zinc .....                                                                     | 10.2                  | 1.29              | 4.2                         | 0.53              |
| English units—pounds per 1 million ft <sup>2</sup> of area processed or coated |                       |                   |                             |                   |
| Chromium .....                                                                 | 0.76                  | 0.10              | 0.31                        | 0.04              |
| Lead .....                                                                     | 0.2                   | 0.03              | 0.19                        | 0.002             |
| Nickel .....                                                                   | 2.46                  | 0.31              | 1.29                        | 0.16              |
| Zinc .....                                                                     | 2.09                  | 0.27              | 0.86                        | 0.11              |

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36543, Sept. 6, 1985]

### Subpart B—Cast Iron Basis Material Subcategory

#### § 466.20 Applicability; description of the cast iron basis material subcategory.

This subpart applies to discharges to waters of the United States and introductions of pollutants into publicly owned treatment works from porcelain enameling of cast iron basis materials.

#### § 466.21 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

(a) There shall be no discharge of process wastewater pollutants from metal preparation operations.

(b) The discharge of process wastewater pollutants from all porcelain enameling coating operations